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Cutlery Scourers.

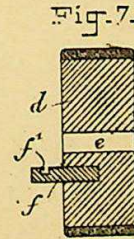
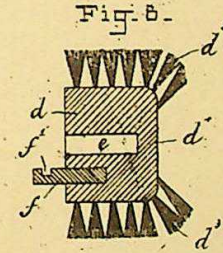
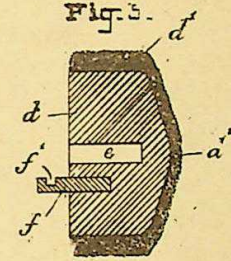
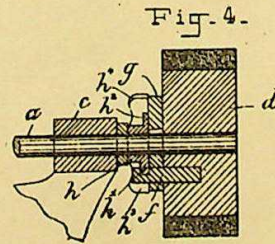
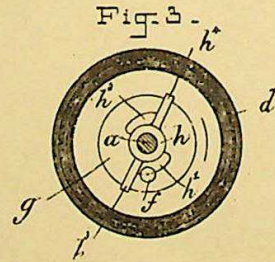
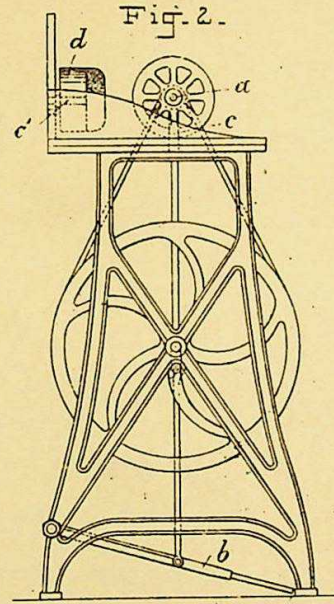
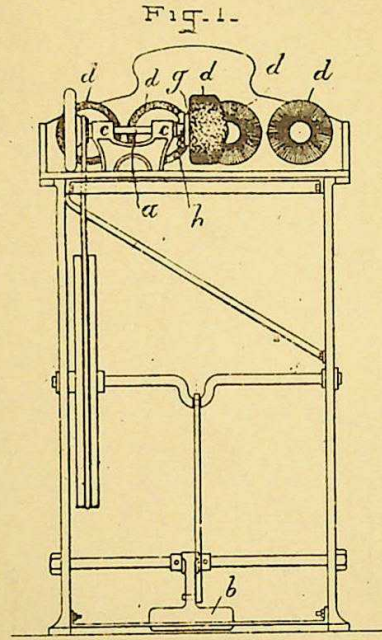
1898-25/2

Britain

Patented 1898

Feb. 1, 1898

A.D. 1898, Feb. 1. No. 2512.
C. E. & another's Improved Specification.



FOR USE IN AND POLISHING,
Metal,
Cutlery Scourers.

Grinding & Polishing:
Metal
Cutlery Scourers

Cutlery Scourers

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N° 2512



A.D. 1898

Date of Application, 1st Feb., 1898

Complete Specification Left, 1st Nov., 1898—Accepted, 7th Jan., 1899

DUPLICATE

PROVISIONAL SPECIFICATION.

An Improved Apparatus for Cleaning and Polishing Knives, Boots, and Various other Domestic Articles, and for other purposes including the Sharpening of Cutlery.

We, JAMES EDWIN GEE and WILLIAM JOHN GEE, Engineers, both of East Street, Middlesbrough-on-Tees, in the County of York, do hereby declare the nature of this invention to be as follows:—

This invention relates to a machine which owes its utility to its handiness as a domestic appliance for cleaning and polishing a variety of articles such as knives, forks, spoons, domestic bright ware, boots and shoes, or for other purposes including the sharpening of cutlery. The machine is conveniently driven by the usual treadle arrangement of a foot lathe, so as to rotate a shaft or spindle at a high speed. This shaft extends beyond its supports or carriage to any required distance in either or both directions for the attachment thereto of the particular appliance required to effect a particular purpose, the said appliance being for some purposes specially devised for our said invention as hereinafter described. The main object in view is to provide means whereby the various appliances for cleaning and polishing or grinding may be quickly secured to and detached from the spindle, such as brushes, bobs, dollies, emery wheels, and scratch brushes as the case may be or the equivalents of these. A convenient way of carrying out our invention in this respect consists as follows:— Each bob, dolly, or brush is concentrically bored to fit onto the spindle. Two other holes are also bored, in line with the central hole for the reception of pins which are driven in with a tight fit. These pins also fit into a collar fixed to the spindle. This compels the bob, dolly, or other appliance to rotate with the spindle in either direction so long as the said bob or other appliance and the collar are duelled together.

In order to effect this, the pins extend through the collar and are gib-headed or nicked or slotted at the right place to receive feather edged cottars secured to and projecting from a ferrule which slips freely along the spindle and is furnished with wings or thumb pieces with which to give it a turn in threading the cottars into the slots of the securing pins. One form of bob or dolly which we have devised for use in connection with the apparatus consists of the usual roller covered with tufts of hemp or some equivalent material and is rounded off over the end to any shape required, as for instance to fit into the hollow of a spoon. These tufts are adapted to hold the polishing powder and the prongs of a fork can be embedded into them.

In other cases such as a scratch or polishing brush for boots, the tufts would be left out at the centre of the face to enable the heel and hollow of the boot to be applied to the tufts on the edge of the brush. Special advantages of the above described apparatus and its accessory appliances are that, by using a treadle both hands are free and furthermore that owing to the ready

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An Improved Apparatus for Cleaning and Polishing Knives, Boots, &c.

means of attachment and detachment, a variety of operations of a kind required in domestic establishments can be carried out in a handy and expeditious manner.

Dated this 31st day of January 1898.

G. J. CLARKSON,
Chartered Patent Agent,
Stockton-on-Tees and Hull, Agent for the Applicants.

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COMPLETE SPECIFICATION.

An Improved Apparatus for Cleaning and Polishing Knives, Boots, and Various other Domestic Articles, and for other purposes including the Sharpening of Cutlery.

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We, JAMES EDWIN GEE and WILLIAM JOHN GEE, late of East Street, and now of 125, Linthorpe Road, Middlesbrough-on-Tees, in the County of York, Engineers, do hereby declare the nature of this invention and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement:—

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This invention relates to a machine which owes its utility to its handiness as a domestic appliance for cleaning and polishing a variety of articles such as knives, forks, spoons, domestic bright ware, boots and shoes, or for other purposes including the sharpening of cutlery.

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The machine is conveniently driven by the usual treadle arrangement of a foot lathe so as to rotate a shaft or spindle at a high speed. But an electric motor or other means conveniently available may be used instead of a treadle shaft. This shaft extends beyond its supports or carriage to any required distance in either or both directions for the attachment thereto of the particular appliance required to effect a particular purpose, the said appliance being for some purposes specially devised for our said invention as hereinafter described. The main object in view is to provide means whereby the various appliances for cleaning, polishing, and grinding may be quickly secured to and detached from the spindle such as brushes, bobs, dollies, emery wheels and scratch brushes as the case may be or the equivalents of these.

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And in order that our invention may be clearly understood and readily carried into effect, we will proceed to describe the same with reference to the accompanying drawing in which is illustrated a construction and arrangement of parts conveniently adapted to the purposes of our said invention. In the drawing Fig. 1 is a front elevation and Fig. 2 a corresponding side elevation of such a machine and furnished with the several tools or appliances required to effect a variety of purposes. Fig. 3 is a front view and Fig. 4 a sectional view drawn to an enlarged scale and illustrating in detail the device for locking the tools or appliances to the high speed shaft; and Figs. 5, 6 and 7 are enlarged sectional views illustrating the shape and constitution of the various tools or appliances themselves. The same letters of reference indicate the like or corresponding parts in all the figures.

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In the drawing *a* is the shaft or spindle which is driven at a high speed by the usual treadle arrangement *b* of a foot lathe. This shaft extends beyond its supports or carriage *c* to any required distance in either or both directions for the attachment thereto of the particular appliance required to effect a particular

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An Improved Apparatus for Cleaning and Polishing Knives, Boats, &c.

purpose; that shown fixed in the working position in Fig. 1 being a bob or dolly *d* furnished with tufts of hemp or the like material for polishing forks, spoons and domestic bright-ware generally. When not in use the tools or appliances are placed on pegs *c*¹ projecting from the splash board of the machine.

Each bob, dolly, or brush *d* is concentrically bored at *e* to fit on to the spindle *a*. Another hole is also bored in line with the central hole for the reception of a pin *f* which is driven in with a tight fit. This pin also fits into a collar *g* fixed to the spindle *a*. This compels the bob, dolly or other appliance to rotate with the spindle in either direction so long as the said bob or other appliance and the collar *g* are duelled together. Referring more particularly to Figs. 3 and 4, in order to effect this the pin *f* extends through the collar *g* and is gib-headed or nicked or slotted at *f*¹ to receive feather-edged cottars *h*¹ *h*² secured to and projecting from a ferrule *h* which slips along the spindle *a* and is furnished with wings or thumb pieces *h*³ *h*⁴ with which to give it a turn in the direction indicated by the arrow for threading the cottars *h*¹ *h*² into the slot *f*¹ of the securing pin.

One form of bob or dolly which we have devised for use in connection with the apparatus is shown in Fig. 5 and consists of the usual roller *d* covered with tufts *d*¹ of hemp or some equivalent material and is rounded off over the end *d*² to any shape required as for instance to fit into the hollow of a spoon. These tufts are adapted to hold the polishing powder and the prongs of a fork can be embedded into them.

In other cases such as a scratch or polishing brush for boots illustrated in Fig. 6 the tufts *d*³ are left out at the centre of the face *d*⁴ to enable the heel and hollow of the boot to be applied to the tufts on the edge of the brush.

Fig. 7 illustrates the usual roller *d* covered with a composition of cork or the like suitable material for polishing purposes; and the roller *d* shown in Figs. 3 and 4 is fitted up as an emery wheel for grinding or sharpening cutlery.

Special advantages of the above described apparatus and its accessory appliances are that by using a treadle both hands are free and furthermore that owing to the ready means of attachment and detachment a variety of operations of a kind required in domestic establishments can be carried out in a handy and expeditious manner.

Having now particularly described and ascertained the nature of our said invention, and in what manner the same is to be performed, we declare that what we claim is:—

1. The combination with a machine of suitable construction such as is herein described of an arrangement whereby a brush, bob, dolly or the like appliance can be secured to and detached from the high speed or operating shaft thereof, thereby constituting a domestic appliance adaptable to a variety of uses substantially as described with reference to the accompanying drawing.

2. The combination with a machine constructed and operating for the several purposes herein specified of a brush, bob, dolly or the like appliance secured to the high speed or operating shaft substantially by the means herein specified and shown in the accompanying drawing, whereby the apparatus is readily adapted to a variety of uses as hereinbefore described.

Dated this 31st day of October 1898.

G. J. CLARKSON,

Chartered Patent Agent,

Stockton-on-Tees and Hull, Agent for the Applicants.